



# LANDSAT 7 MONTHLY UPDATE

The Landsat 7 Mission, developed by the National Aeronautics and Space Administration, is managed by the U.S. Geological Survey under authority established by Presidential Decision Directive NSTC-3.

## Program News

### Landsat 7 Technical Working group Meeting #10 Summary

Attending the meeting in Rapid City, South Dakota were 46 participants, representing 11 countries. Each country made presentations focusing on the data processing flow from data capture, through the archive, and how it is sold on their websites. Each country participated in a one-on-one meeting with members of the Landsat 7 Program and EDC DAAC to discuss issues such as data exchange, product validation, acquisition scheduling, and satellite status.

### LTWG Survey

At LTWG 10, the USGS will send a survey to the LTWG Representatives regarding upcoming LTWG agenda items, potential sub-working group topics, and the overall meeting format. Some Representatives expressed interest in lengthening the time span between LTWG meetings. Tentatively, the USGS will leave the schedule as is through LGSOWG 31. This topic will be addressed in the survey.

### Landsat 5 Status

At the LTWG 10 in Rapid City, RJ Thompson, Landsat 7 Program Manager, discussed Landsat 5 and USGS efforts to gain funding to continue operations past June 30<sup>th</sup> (the end of the USGS / Space Imaging contract). Tracy Zeiler reported that RJ has secured funding for July and August 2001 operations. He is attempting to secure funding for September 2001 and all of Fiscal Year 2002 (October 2001 to September 2002). RJ reported that Space Imaging's data rights were terminated on June 30, 2001.

### Staffing Update

As was stated in the February report, the following United States Geological Survey (USGS) personnel are currently filling temporary assignments:

RJ Thompson	On a short-term detail to the USGS Headquarters.
Tracy Zeiler	Acting Landsat 7 Program Manager
Kristi Kline	Acting Landsat 7 Mission Management Officer
Jay Feuquay	Acting Landsat 7 International Coordinator along with his permanent duties as the Landsat 7 Acquisition Officer

### Landsat Data Continuity Mission (LDCM)

In regard to the Landsat Data Continuity Mission (LDCM), for which a late 2005 launch is anticipated, a Draft Request for Proposals (RFP) is due to be released on or shortly after July 31, 2001. The current concept for this mission is to have the private sector build, launch, and operate a system designed to meet U.S. Government specifications for Landsat-like data from approximately 2006 through 2011, with an option for five additional years of LDCM data purchases. One potential aspect of this mission is that a private owner-operator would deal directly with International Cooperators to provide Landsat-like data. Landsat 7 International Cooperators are encouraged to review the draft RFP and respond with comments to an LDCM WEB site within three weeks of its release. When the Draft RFP is released, Landsat 7 International Cooperators will be notified by e-mail that will include appropriate WEB site information. In the meantime, information on LDCM planning, documentation, and public workshops held to date can be found at <http://ldcm.usgs.gov/>

## Technical News

### Data Validation

As part of the data validation, the Maspalomas, Spain ground station provided the USGS/EROS Data Center (EDC) with Raw Computer Compatible (RCC) data that were processed on the USGS/EDC systems but could not be validated because the corresponding data did not reside at the USGS/EDC.

The South Africa ground station has also provided the USGS with RCC data that were successfully processed and then validated to be of equivalent quality to the corresponding data at the USGS/EDC. The South Africa ground station will need to have their LORp product validated to complete their data validation cycle. The Fucino, Italy ground station has become the 12<sup>th</sup> ground station to be completely validated by providing RCC data that were processed to a LIG product and is found to be of equivalent quality to the corresponding data at the USGS/EDC.

## Metadata

Metadata from Canada and Australia continue to be archived successfully. As of July 9th there were 4,881 L7 IGS subintervals archived for 92,791 L7 Worldwide Reference System scenes. It was noted that a few extra partial scenes were being archived for Prince Albert, Canada (PAC) throughout the month of June. These occurrences are due to scan mirror anomalies or PAC Primary Reception System problems, and reflect the actual state of the data received by PAC. A tape containing Brazil metadata and browse was mailed to the Earth Observing System Data and Information System Core System Performance Verification Center for 6A.XX testing. South Africa and Fucino, Italy metadata were successfully tested, and EDC is ready to support ingest of their data into the DAAC archive.

Next month it is anticipated that Kiruna, Sweden, Maspalomas, Spain, Neustrelitz, Germany, and South Africa will be transmitting metadata for ingest into the DAAC archive. EDC will initiate preparations for receiving metadata from Matera, Italy (MTI).

## Turn Around Time

LTWG 10, Tracy Zeiler stated that the Landsat 7 Program is considering a future test to determine if Landsat 7 ETM+ usage affects the rate of growth in scan mirror turn around time. During this test, sensor on time and the number of power cycles would be manipulated for a period of time and turn around time monitored and studied. An in-depth discussion on this topic is planned for the upcoming LGSOWG in September 2001. No testing will occur prior to further consultation with the LGSOWG Representatives.

## Meetings

### Landsat Ground Stations Operations Working Group 30

The LGSOWG 30 meeting is scheduled for September 24-28, 2001, in Orlando, Florida at the Rosen Centre Hotel. The meeting announcement will be sent to LGSOWG members in July.

### LTWG 11

LTWG 11 is planned for January/February timeframe. Ground station reports will focus on product generation. The one-on-one sessions would most likely be broken up into multiple sessions, each based on a different topic.

### Upcoming Meetings

<u>Meeting</u>	<u>Timeframe</u>	<u>Location</u>
LGSOWG 30	Sept. 2001	Orlando, Florida
LTWG 11	Jan/Feb 2002	TBD
LTWG 12	May/June 2002	Argentina
LGSOWG 31	Sept. 2002	TBD
LTWG 13	Jan/Feb 2003	TBD

## Related News

### Retirement

After 26 years of service with the United States government, Dave Carnegie has retired from the USGS. As his last official duty, Dave turned over his Landsat Program responsibilities to Jay Feuquay and Judy Knox at the LTWG 10 meeting in June. Dave and his wife Bonnie are now retired and have moved to their home at Lake Tahoe. You may reach them at [dcarneggie@aol.com](mailto:dcarneggie@aol.com).

**The Landsat 7 Monthly Update is an informal communication tool, prepared monthly and distributed electronically to USGS Landsat 7 partners, to provide information about Landsat 7 activities and related topics of interest. Comments, corrections, and queries may be directed to Judy Knox at the following email address: [jknox@usgs.gov](mailto:jknox@usgs.gov).**